

ABSTRACT OF THE DISCLOSURE

A process for making polyolefins is disclosed. The process comprises polymerizing an olefin in the presence of an activator, an organometallic complex, and an aluminum phosphate support. The complex comprises a Group 3 to 10 transition metal and an indenolindolyl
5 ligand that is bonded to the transition metal. The use of the aluminum phosphate support in combination with the indenolindolyl complex provides an unexpected boost in catalyst activity when compared with other common supports. When a combination of olefins is used, good comonomer incorporation is obtained.